

Converting Colors

XYZ(29.1780, 26.0596, 65.9264)

Have a look what the booklet for
XYZ(29.1780, 26.0596, 65.9264)
contains.

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Color

**XYZ(29.1733, 26.1177,
65.7910)**

Conversions

Conversions Part 1

Format	Color
Hex	8085D4
RGB	128, 133, 212
RGB Percent	50%, 52%, 83%
CMY	0.4980, 0.4784, 0.1686
CMYK	0.40, 0.37, 0.00, 0.17
HSL	236°, 49%, 67%
HSV	236°, 40%, 83%
XYZ	29.1733, 26.1177, 65.7910
YIQ	140.5110, -28.3390, 23.5090

Conversions

Conversions Part 2

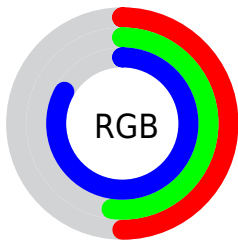
Format	Color
RYB	128, 133, 212
Decimal	8422868
CIELab	58.15, 17.67, -41.24
CIELCh	58, 44.866, 293.194
Yxy	26.1177, 0.2409, 0.2157
Android (android.graphics.Color)	4286612948 (0xFF8085D4)
YUV	140.5110, 35.2441, -10.9721
Hunter-Lab	51.1055, 12.4612, -40.5536

Details

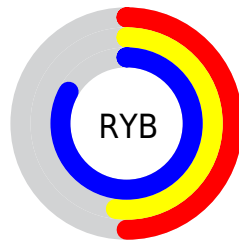
The XYZ color **29.1733, 26.1177, 65.7910** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **53.3616, 60.1826, 29.2274**, and the grayscale version is **25.0018, 26.3038, 28.6449**.

A 20% lighter version of the original color is **55.3761, 52.5282, 101.8281**, and **12.0802, 10.2308, 33.2363** is the 20% darker color. If you saturate the color by 10%, you get **23.8358, 19.6916, 64.8324**, and if you desaturate by 10%, it is **35.6970, 33.9253, 66.9547**.

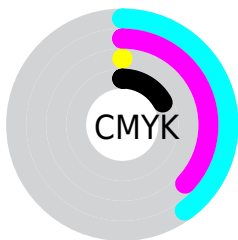
Distribution



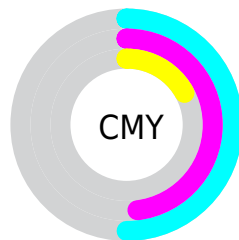
- Red (50%)
- Green (52%)
- Blue (83%)



- Red (50%)
- Yellow (52%)
- Blue (83%)



- Cyan (40%)
- Magenta (37%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (48%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1733, 26.1177, 65.7910 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.1733, 26.1177, 65.7910 by changing the saturation by 10% instead.

■ 29.1733, 26.1177,
65.7910

■ 29.1733, 26.1177,
65.7910

290.0112,
283.3594, 464.0128

■ 19.3569, 16.9117,
47.6474

■ 57.7480, 53.4648,
114.8105

■ 12.0340, 10.1716,
33.1897

■ 77.2369, 72.3746,
146.5233

■ 6.8392, 5.5129,
21.9995

■ 100.6808, 95.2879,
183.5964

■ 3.4072, 2.5512,
13.6582

128.4450,
122.5890, 226.4481

■ 1.3726, 0.9022,
7.7473

160.8947,
154.6623, 275.4971

■ 0.2365, 0.0000,
3.8482

198.3954,

■ 0.0000, 0.0000,

191.8922, 331.1618

1.5425

241.3125,
234.6631, 393.8609

■ 0.0000, 0.0000,
0.2493

■ 0.0000, 0.0000,
0.0000

■ 29.1733, 26.1177,
65.7910

■ 29.1733, 26.1177,
65.7910

■ 23.8358, 19.6916,
64.8324

■ 35.6970, 33.9253,
66.9547

■ 19.6105, 14.5639,
64.0654

■ 43.4693, 43.1855,
68.3324

■ 16.4193, 10.6467,
63.4775

■ 52.5516, 53.9678,
69.9349

■ 14.1730, 7.8404,
63.0542

■ 63.0006, 66.3364,
71.7716

■ 12.7672, 6.0291,
62.7787

■ 74.8695, 80.3519,
73.8513

■ 12.0425, 5.0561,
62.6291

■ 88.1335, 96.0329,
76.1789

■ 12.0228, 5.0316,
62.6254

■ 88.8838, 97.5335,
76.4290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.6056, 26.1177, 69.7309



29.1733, 26.1177, 65.7910



34.1707, 26.1177, 50.4114

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.1733, 26.1177, 65.7910



31.6290, 26.1177, 10.5704



15.8231, 26.1177, 25.0349

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.1733, 26.1177, 65.7910



53.3616, 60.1826, 29.2274

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.3592, 26.1177, 14.0072



29.1733, 26.1177, 65.7910



26.0838, 26.1177, 7.8648

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.1733, 26.1177, 65.7910



35.7269, 26.1177, 18.2006



20.9302, 26.1177, 8.8401



16.4012, 26.1177, 41.9345

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.1733, 26.1177, 65.7910



36.2371, 26.1177, 38.0028



20.9302, 26.1177, 8.8401



16.1009, 26.1177, 20.6295

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.1743, 26.1187, 65.7916



76.1711, 77.6442, 105.5799



43.6357, 56.1526, 67.1869



15.9035, 16.1441, 22.5279



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.1743, 26.1187, 65.7916



37.0209, 30.8962, 98.6201



34.9965, 28.1283, 65.8727



11.8013, 12.1261, 15.6561



7.4467, 3.1553, 38.6697



0.4705, 0.2330, 2.3395

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.1051, 31.1300, 26.1387



54.2979, 39.8157, 29.5893



45.2549, 57.8298, 29.2005



12.4529, 12.4327, 13.0593



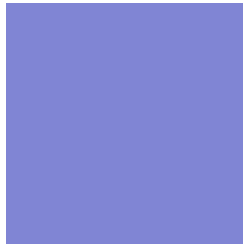
16.8176, 8.6634, 1.0778



1.0251, 0.5268, 0.1217

Previews

White Background



This preview shows how the XYZ color 29.1733, 26.1177, 65.7910 looks on a white background.

Color Contrast Check

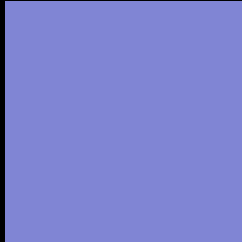
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.1733, 26.1177, 65.7910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

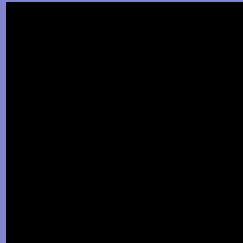
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1733, 26.1177, 65.7910

Background



This preview shows how black text looks on a background with the XYZ color 29.1733, 26.1177, 65.7910.



This preview shows how white text looks on a background with the XYZ color 29.1733, 26.1177,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.1733, 26.1177, 65.7910

Protanopia

27.7669, 26.1771, 67.8792

Deuteranopia

26.9343, 26.2326, 65.2718



Tritanopia

23.0656, 26.2285, 35.2994

Trichromacy



Original Color

29.1733, 26.1177, 65.7910

Protanomaly

28.2779, 26.2453, 67.1938

Deuteranomaly

27.6430, 26.1719, 65.2228

Tritanomaly

24.9691, 26.1063, 44.7973

Monochromacy



Original Color

29.1733, 26.1177, 65.7910

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.2169, 26.2012, 40.2348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1733, 26.1177, 65.7910 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(128, 133, 212)` looks like.

```
.text, #text, p{  
    color:rgb(128, 133, 212)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(128, 133, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 133, 212) }
```

Border

The CSS property to change the border of an element to XYZ 29.1733, 26.1177, 65.7910 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 133, 212) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(128, 133, 212) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(128, 133, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 133, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 133, 212);  
box-shadow:4px 4px 4px 4px rgb(128, 133,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1733, 26.1177, 65.7910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 133, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(128,  
133, 212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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